

Title (en)
No-back check device

Title (de)
Prüfvorrichtung für Rückwärtssperre

Title (fr)
Dispositif de retenue anti-retour

Publication
EP 2636916 A1 20130911 (EN)

Application
EP 13157975 A 20130306

Priority
US 201213413858 A 20120307

Abstract (en)
A device and method for determining whether a no-back device (140) is functioning properly includes a no-back device (140) coupling an input shaft (120) and an output shaft (130). A no-back output gear (142) is coupled to the output shaft (130), and a reaction gear (146) is operably coupled to the no-back output gear (142). A check device (150) includes a rotatable drive feature (152) having a first end (152a) accessible for rotation and a second end (152b) engaged with the reaction gear (146). The functionality of the no-back device (140) is evaluated by applying a rotational torque to the drive feature (152).

IPC 8 full level
B64C 13/24 (2006.01); **F16D 41/00** (2006.01)

CPC (source: EP US)
B64D 45/00 (2013.01 - US); **F16D 41/00** (2013.01 - EP US); **F16D 65/0043** (2013.01 - US); **F16H 1/2863** (2013.01 - US); **F16H 57/01** (2013.01 - US); **F16H 57/10** (2013.01 - US); **B64D 2045/0085** (2013.01 - US); **F16D 2066/006** (2013.01 - US); **F16H 2057/018** (2013.01 - US)

Citation (search report)
• [A] EP 1669624 A1 20060614 - GOODRICH ACTUATION SYSTEMS LTD [GB]
• [A] US 2011094848 A1 20110428 - BERNHARD FRANK L [US], et al
• [A] JP 2000097307 A 20000404 - SHIMADZU CORP

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2636916 A1 20130911; **EP 2636916 B1 20150729**; US 2013237362 A1 20130912; US 2016116051 A1 20160428; US 9261149 B2 20160216; US 9482335 B2 20161101

DOCDB simple family (application)
EP 13157975 A 20130306; US 201213413858 A 20120307; US 201614989873 A 20160107